

Advanced Rider Assistant Supplementary Manual



Kawasaki ZX-10R Ninja 2006-2010 (ARA-1 + ARA-K4A + ARA-D02)

Secure the bike on a stand.



Remove the seat, the fuel tank and the airbox.



Plug the ARA connectors in-line with the ignition coil connectors.

On this photo the ARA used together with the iQSE quickshifter. The iQSE plugs should always be the last in the chain i.e. connected directly to the ignition coil plugs.

(Bike harness plug -> ARA plugs -> QSH plugs -> ignition coil plug.)

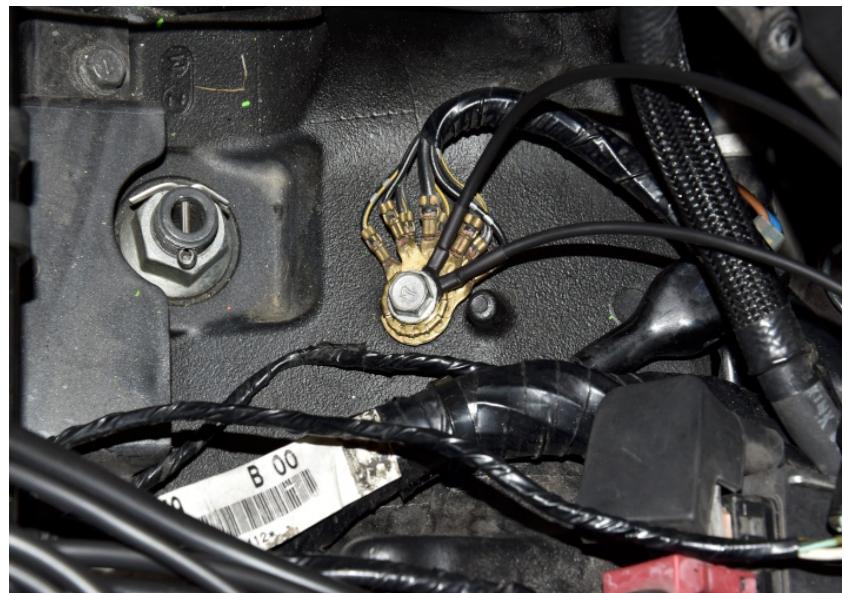


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Connect the ARA Black wire terminal to the chassis ground terminal.

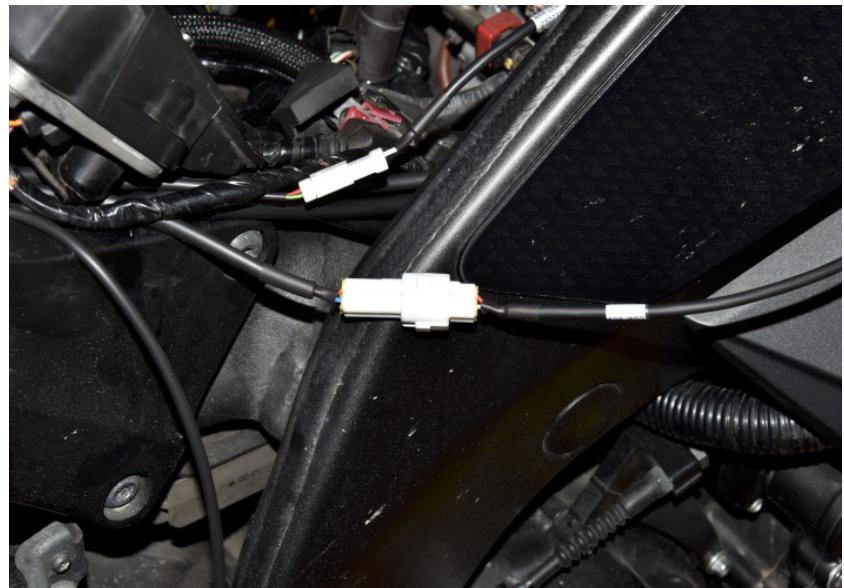


Mount the supplied disc and wheel speed sensor at the front wheel.

(Reinstall the brake disc as per the bike's service manual. For safety, you may use threadlocker to make sure the nut or bolt won't get loose due to vibrations. Adjust and tighten the sensor so that the sensor's tip will be in the centerline of the targets. The air-gap should be about 1mm.)



Connect the 3-pole sensor connector to the ARA wiring.

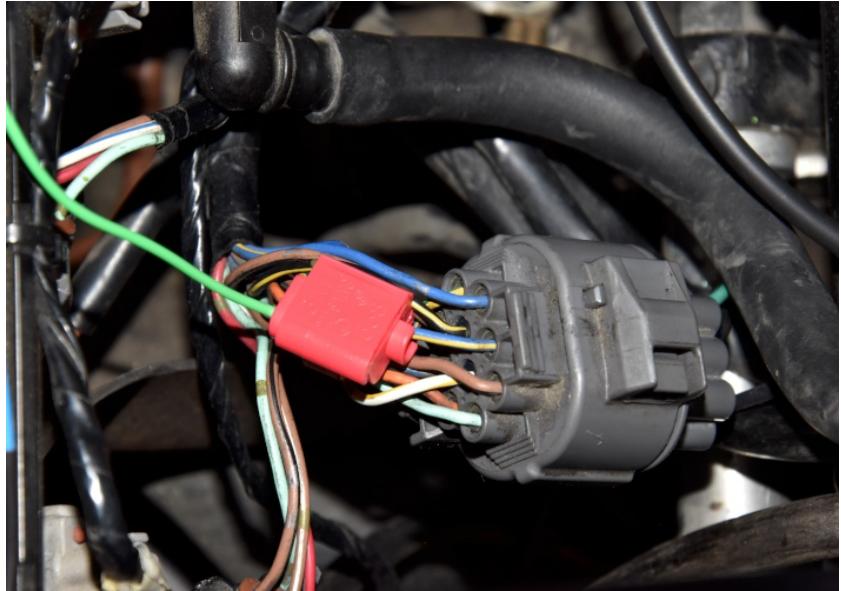


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Splice the ARA Green wire to the Blue/Yellow wire of the speed sensor.



Optional:

Connect the ARA Pink wire to the Black wire of the Clutch switch.

While the connector is connected, turn ignition on. Measure the voltage (DC 20V setting) on the wires, at the back side of the plug. You need to use the wire where the voltage value changes while you pull the clutch lever. Alternatively check the clutch switch indication in the ARA application on your phone.



Mount the switch onto the handlebar.



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Mount the LED indicator on the dashboard.



Typical position for the ARA module.

Secure the unit properly.

